or its acctate.

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## **AMENDMENTS TO THE CLAIMS**

1. (Previously presented, Previously Allowed) A process for preparing a LH-RH derivative which comprises the steps of:

contacting a solution containing the LH-RH derivative with a methacrylic synthetic adsorption resin; and

contacting the solution containing the LH-RH derivative with an aromatic synthetic adsorption resin.

2. (Previously presented, Previously Allowed) The process according to claim 1, wherein the LH-RH derivative is a peptide represented by the formula

5-oxo-Pro-His-Trp-Scr-Tyr-Y-Leu-Arg-Pro-Z

wherein Y indicates a residue selected from D-Leu, D-Ala, D-Trp, D-Scr(tBu), D-2Nal and D-IIis(ImBzl), and Z indicates NH-C<sub>2</sub>H<sub>5</sub> or Gly-NH<sub>2</sub>, respectively, or a salt thereof.

(Previously presented, Previously Allowed) The process according to claim 1, wherein the LH-RH derivative is a peptide represented by the formula
5-oxo-Pro-His-Trp-Scr-Tyr-D-Leu-Leu-Arg-Pro-NH-C<sub>2</sub>H<sub>5</sub>

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4. (Original, Previously Allowed) The process according to claim 1, wherein said process comprises using a methacrylic synthetic adsorption resin having a repeating unit represented by the formula

- 5. (Original, Previously Allowed) The process according to claim 1, wherein the aromatic synthetic adsorption resin is a styrene-divinglence synthetic adsorption resin.
- 6. (Original, Previously Allowed) The process according to claim 5, wherein an average particle size of the styrene-divinylbenzene, synthetic adsorption resin is about 60 pm to about 150 pm.
- 7. (Original, Previously Allowed) The process according to claim 1, wherein said process comprises subjecting a solution containing the LH-RH derivative to the step for treatment with a methacrylic synthetic adsorption resin below about 10°C.
- 8. (Original, Previously Allowed) The process according to claim 1, wherein said process comprises subjecting a solution containing the LH-RH derivative to the step for treatment with an aromatic synthetic adsorption resin at about 10°C to about 20°C.
- 9. (Original, Previously Allowed) The process according to claim 1, wherein said process comprises subjecting a solution containing the LH-RII derivative to the step for treatment

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with a methacrylic, synthetic adsorption resin, followed by subjecting to the step for treatment with an aromatic, synthetic adsorption resin.

- 10. (Previously presented, Previously Allowed) The process according to claim 1, said process comprises passing a solution containing the LH-RH derivative through a resin in the step of contacting the LH-RH derivative with the methacrylic synthetic adsorption resin; and then eluting the LH-RH derivative, which is adsorbed on the resin, with an aqueous solution of acetic acid.
- 11. (Original, Previously Allowed) The process according to claim 10, wherein the concentration of an aqueous solution of acctic acid is about 0.01 M to about 0.50 M.
- 12. (Previously presented, Previously Allowed) The process according to claim 1, wherein said process comprises passing a solution containing the LH-RH derivative through a resin in the step of contacting the LH-RH derivative with a methacrylic, synthetic adsorption resin, followed by washing with an aqueous solution of ethanol, and then by eluting the LH-RH derivative that is adsorbed on the resin.
- 13. (Original, Previously Allowed) The process according to claim 1, wherein a solution containing the LII-RII derivative is that obtained by subjecting the LII-RII derivative protected with protective group(s) to a deprotection reaction followed by a neutralization reaction below about 10°C.
- 14. (Original, Previously Allowed) The process according to claim 1, wherein a solution containing the LH-RH derivative is that obtained by subjecting the LH-RH derivative protected with protective group(s) to a deprotection reaction and then a neutralization reaction below about 10°C, followed by subjecting the resulting mixture to extraction of the LH-RH derivative and then concentration of the extract below 25°C.

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15. (Previously presented, Previously Allowed) The process according to claim 13 or 14, wherein the LH-RH derivative protected with protective group(s) is represented by the formula 5-oxo-Pro-His-Trp-Ser-Tyr-Y-Leu-Arg(X)-Pro-Z

wherein X indicates a protective group, Y indicates a residue selected from D-Leu, D-Ala, D-Trp, D-Ser(tBu), D-2Nal and D-His(ImBzl) and Z indicates NII-C<sub>2</sub>H<sub>5</sub> or Gly-NH<sub>2</sub>, respectively.

- 16. (Canceled)
- 17. (Canceled)
- 18. (Previously presented, Previously Allowed) The process according to claim 14, wherein the LH-RH derivative protected with protective group(s) is represented by the formula 5-oxo-Pro-His-Trp-Ser-Tyr-Y-Leu-Arg(X)-Pro-Z wherein X indicates a protective group, Y indicates a residue selected from D-Leu, D-Ala, D-Trp, D-Ser(tBu), D-2Nal and D-His(ImBzl) and Z indicates NH-C<sub>2</sub>H<sub>5</sub> or Gly-NH<sub>2</sub>, respectively.
  - 19. (Canceled)